

Educating the Next Generation of Learners: Simulation Programs for Office Based Anesthesia

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Learning Objectives

- Highlight the unique patient safety challenges that exist in the office-based anesthesia setting
- Understand the education needs of the next generation of learners
- Recognize the importance of simulation-based education
- Identify evidence supporting the use of simulation
- Define an office-based simulation curriculum



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Educating the Next Generation

- Changes in Office-Based Practice
 - Expansion
 - Patient population
 - Systems adaptations as a result of COVID-19
- SAMBA OBA Curriculum¹
 - Cognitive aids
 - Practice management protocols
 - Safety checklists
- Technology-based Learning and Simulation
 - Proportion of virtual learning has rapidly increased
 - Immersion in real-world clinical scenarios in a safe environment

1. Osman BM, Shapiro FE. Society for Ambulatory Anesthesia Office-Based Anesthesia Revised 2020 Curriculum.

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Simulation Education

- Simulation education and patient safety²
 - Emergency drills required for accreditation
 - Effective in gauging readiness
 - Improves self-confidence, knowledge, and individual and team performance
 - Procedural simulation, deliberate practice, and debriefing can improve operational performance in clinical settings
- A feasibility study employing an in-situ simulation program³
 - Allowed assessment of OBA safety and regulatory issues
 - Resulted in greater awareness of patient safety issues

2. Griswold S, Ponnuru S, Nishisaki A, et al. The emerging role of simulation education to achieve patient safety: translating evidence practice and debriefing to save lives. Pediatr Clin North Am. 2020;65:1024-40.
3. Shapiro FE, Ponnuru S, Rosenblatt NM, et al. The Use of In-Situ Simulation to Improve Safety in the Plastic Surgery Office: A Feasibility Study. ePlasty 2014;9.

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OBA Simulation Curriculum

- In-situ simulation
- Characteristics
 - Customizable and scalable
 - Focused on safety
 - Debriefing and feedback
- Goals
 - Improving safety education of office-based personnel
 - Educating trainees on evidence-based techniques to improve patient safety
 - Sustain quality and safety of office-based practice

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